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(54) **Method and apparatus for cooling an optical fibre during drawing using a multi-chamber cooler**

(57) A method and device for reducing the temperature of an optical fiber, during drawing and prior to coating, wherein a housing body is provided a plurality of inner cooling chambers which are partitioned from each other by a plurality of partition walls. An axial through hole extends through each of the inner cooling chambers from an upper end of the housing body to a lower end of the housing body for the axial passage of an optical fiber therethrough. A plurality of gas injection holes corresponding to the inner cooling chambers are provided in a side wall of the housing body for injecting gas into the inner cooling chambers. A plurality of coolant pipes through which a liquid coolant is circulated extend through each of the inner cooling chambers from the upper end to the lower end of the housing body. The coolant pipes are disposed between the gas injection holes and the axial through hole so that the gas which is injected into the inner cooling chambers via the gas injection holes is not blown directly against the fiber.

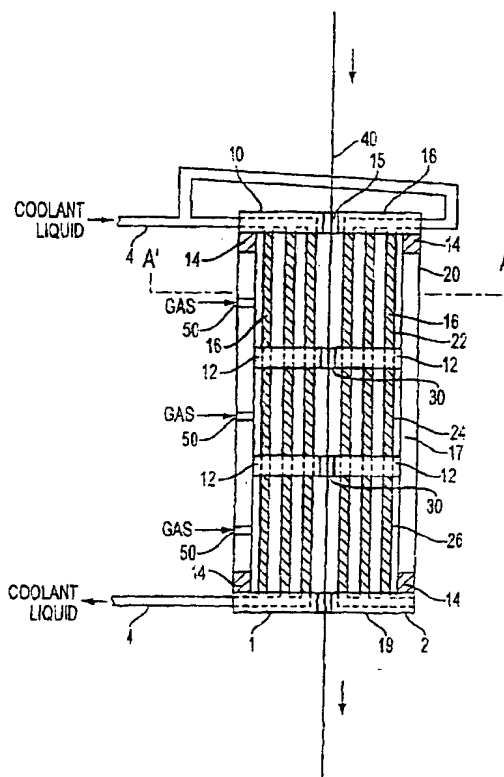


FIG. 1



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EUROPEAN SEARCH REPORT

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Place of search THE HAGUE		Date of completion of the search 21 March 2002	Examiner Stroud, J
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